State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-478 Relating to Certification of New Heavy-Duty Motor Vehicle Engines

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102 and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That the following Ford Motor Company 1991 model-year gasoline engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Engine Family		isplacement s (Cubic Inches)	Exhaust Emission Control Systems and Special Features
MFM07.5BSB7	7.5	(460)	Secondary Air Injection Exhaust Gas Recirculation Three-Way Catalyst Heated Oxygen Sensor Multipoint Electronic Fuel Injection

Engine models and codes are listed on attachments.

The following are the certification emission standards for this engine family:

Hydrocarbons	Monoxide	Nitrogen Oxides
gm/bhp-hr	gm/bhp-hr	gm/bhp-hr
1.9	37.1	5.0

The following are the certification emission values for this engine family:

	Hydrocarbons	Carbon Monoxide	Nitrogen Ovider	
Engine Family	gm/bhp-hr	gm/bhp-hr	Nitrogen Oxides gm/bhp-hr	
MFM07.5BSB7	0.6	18.7	3.8	

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Health and Safety Code Section 43205.5 and Title 13, California Code of Regulations, Section 2036).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachments.

Executed at El Monte, California this day of December, 1990.

R. B. Summerfield

Assistant Division Chief Mobile Source Division

1991 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manuf	acturer	Ford Motor	Сотр	any		Engine Fam	11y <u>M</u> F	M07.5BSB7 (L7,5B)	
Evapo	rative Fam	ily <u>HN</u>				Engine Typ	e	V-8		
						Liters (CI	D)	7,5L (460)		
ABBRE	VIATIONS:									
1	gnition Sy	stem	<u>_E</u> x	haus t	Emissions	Control S	ystem	Fuel	System	-
EI-PCME-	Distributo Ignition Electronic Powertrain Module Special Fe Malfunctic Light On Board [Elgnition Control	or s Two	CTS-I EGR-I EM-I IO2S-I KS-I MAP-I OC-(O2S-(SASV-) SASV-I TOC-' TOC-' TVC-' C+OC-'	Secondary A Engine Cool Exhaust Gas Engine Modi Heated Oxyg Knock Senso Manifold Ab Pressure Se Oxidation Co Oxygen Sens Secondary A Secondary A Secondary A Trap Oxidia Throttle Po Three Way C Three Way C Plus Oxidat Warm Up Oxidat	ant Temp S Recircula fication gen Sensor r solute ensor Catalyst for Air Bypass Air Switch Limiter ter: Contin ter: Period Sition Sen Catalyst Catalyst Catalyst Catalyst Lion Cataly Lidation Cataly	Valve Ing Valve Incoms Iccomsor Insor	(Dies EIC-Elect Contr IC-Inter After IDI-Indir Injec MPI-Mult: Fuel SC-Supe: SMPI-Seque Mult: Elect Injec TAA-Turbe Air TAW-Turbe Air TBI-Thro Elec	tronic Injerol (Diesel rocoler or rocharged	ection) ctronic lesel) Air to Diesel)
Engir	CLE MODELS:	CXX Mid	_ Real	r 11 Ti	me 4WD	Part Time				
	ne Family:									
Iss	sue Date	11-06-90	0		20	.17.02.00-	-1			
Rev	vised			•						

1991 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY DUTY ENGINES

, Mai	nufacturer <u>Fo</u>	rd Motor Company		_ Engine Famil	у <u>мғм07.5</u>	BSB7 (M7.5B)	_
		5L (460)			Tu!C		
Em (U	ission Control se abbreviation	Sys. (Special Fe s per SAE J1930	atures) <u>AIR/E</u> Jun88)	GR/HO2S/MP1/ I	WC		_
	Engine Code	Rated HP @ RPM	Ign. System or PCME	Fuel System	EGR Valve	Catalyst	
			Part No. -12A650-	Part No. -9F593-	Part No. -9F483-	Part No. -5E212-	
-,,	1-97A-R00	218 @ 3600	F2TF-KA	F1TE-DA	E7TE-GA	ESTA-LA	
	1-98B-R00	218 @ 3600	F2TF-HA	F1TE-DA	E7TE-GA	E8TA-LA	
	1-98F-R00	218 @ 3600	F2TF-AA	F1TE-DA	E7TE-GA	ESTA-LA	
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Comments: See 20.17.02.00-1 for abbreviations and 20.17.02.00-4 for evaporative emission family identification.

Engine Family: M7.5B

ue Date	11-06-90	20.17.02.00-2	
Revised			